

MAIN INSTALLATION CHECKLIST

Unless otherwise noted, all code references are to 49CFR Part 192.

If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

Operator: AMEREN ILLINOIS COMPANY	Operator ID#: 32513
Inspection Date(s): 4/14/2016 (Half), 4/15/2016 (Half)	Man Days: 1
Inspection Unit: Jacksonville	
Location of Audit: Jacksonville/Perry	
Exit Meeting Contact: Chris Juliusson	
Inspection Type: Design Testing and Construction	
Pipeline Safety Representative(s): Kevin Hecker	
Company Representative to Receive Report: Michael Fuller	
Company Representative's Email Address: mfuller2@ameren.com	

CONSTRUCTION INFORMATION		
Location of Construction:	Construction Performed By:	
Creek crossing behind Calendar Quarry on 412th Street, Perry, IL.	K&S contracted by Ameren Illinois	
Contractor Foreman:	Rod Bolsinger	
Operator Inspector:	Roger Martin and John Little	
Person(s) On Job Site		
Gary Vaughn	Jeremiah Johnson	Steve Littig
Jarod Woosley	Chris Juliusson	-
-	-	-
-	-	-
Description of Construction:		
<p>Ameren Illinois contracted with K&S Construction to replace a segment of 12" pipeline after discovering an exposed portion in a creek bed directly behind Calendar Quarry. A new 12" pipeline has been bored in approximately 10 feet below the floor of the creek. An area to the south of the quarry has been excavated with stopple fittings welded in place and a 4" steel pipeline, used as a bypass, temporarily strung above ground to provide gas for the surrounding area while the final tie ins are welded in place. Staff observed the welder, Robert Crabtree, fabricating a new tie in section that will be installed north of the Quarry.</p>		

MAIN INSTALLATION		Status
[192.55]	Steel	Yes
[192.59]	PE	No
[192.59]	Other	No
[192.5]	Class location :	Class 1
[192.619,192.621,192.623]	MAOP	400 psig

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[192.63]	Pipe Size :	12"
[192.55,192.59]	Specification :	API 5L
[192.55,192.59]	Manufacturer :	Durabond
[192.55,192.59]	Pipe Grade :	X42/X52
[192.55,192.59]	Wall Thickness :	.250"
[192.63(a)(2)]	Are pipe, valves, and fittings properly marked for identification?	Satisfactory
[192.227]	Date of Welder qualification:	4/17/2015
<u>General Comment:</u> <i>Mr. Crabtree's annual welding qualification was conducted on 4/17/2015, and mid-year qualification was conducted on 11/4/2015.</i>		
[192.227]	Welder's Name:	Robert Crabtree
[192.225,192.275,192.277,192.279,192.283]	Is pipe joined in accordance with approved written procedures?	Satisfactory
<u>General Comment:</u> <i>The welder was using qualified procedure ENE-002. Staff confirmed that 6010 welding rods were used for the root pass. All subsequent passes utilized 7010 rods per procedure.</i>		
[192.285]	Date of Plastic Joining Qualification :	Not Applicable
<u>General Comment:</u> <i>This construction project does not include any plastic piping.</i>		
[192.285]	Joiner's name:	Not Applicable
<u>General Comment:</u> <i>This construction project does not include any plastic piping.</i>		
[192.455]	Is buried metallic pipe coated?	Satisfactory
[192.461]	Does coating meet 192.461?	Satisfactory
[192.455(a)(1)]	Is cathodic protection being provided?	Satisfactory
[192.455(a)(1)]	Is cathodic protection being provided? By Anodes:	No
[192.455(a)(1)]	Is cathodic protection being provided? By Rectifier:	Yes
[192.461(c)]	Is coating inspected just prior to being installed in the ditch?	Satisfactory
[192.467]	Are pipelines electrically isolated from other underground metallic structures?	Satisfactory
[192.479]	Are above ground facilities cleaned and coated or jacketed as needed?	Not Checked
<u>General Comment:</u> <i>No above-ground facilities were observed as part of this audit.</i>		
[192.303]	Are comprehensive written construction specifications	Satisfactory

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	available and adhered to?	
[192.305]	Are inspections performed by the operator to check adherence to the construction specifications?	Satisfactory
[192.307]	Is material being visually inspected at the site of installation to ensure against damage that could impair its serviceability?	Satisfactory
[192.319]	Is ditch back-filled to provide firm support and prevent damage to pipe or coating?	Not Checked
<u>General Comment:</u> <i>No backfilling was observed during this audit.</i>		
[192.321(c)]	Is plastic pipe installed as to minimize shear and tensile forces?	Not Applicable
<u>General Comment:</u> <i>This construction project does not include any plastic piping.</i>		
[192.321(e)]	Does plastic pipe have means of locating while underground?	Not Applicable
<u>General Comment:</u> <i>This construction project does not include any plastic piping.</i>		
[192.325]	Are required clearances from underground structures being maintained?	Satisfactory
[192.327]	Is required cover being obtained appropriate to type of pipeline and location?	Satisfactory
[192.503]	Are general testing requirements being met?	Not Checked
<u>General Comment:</u> <i>Pressure testing had not yet been conducted at the time of this audit.</i>		
[192.517]	Are records being made of strength and leak tests?	Not Checked
<u>General Comment:</u> <i>Pressure testing had not yet been conducted at the time of this audit.</i>		
[192.807]	Were covered employees Operator Qualification records reviewed to ensure qualification?	Satisfactory
[192.805(c)]	Were non-qualified personnel being directed and observed by a qualified individual?	Not Applicable
<u>General Comment:</u> <i>All K&S personnel on site were qualified for the covered tasks they were performing.</i>		
[192.805(c)]	Were span of control limitations being followed?	Not Applicable
<u>General Comment:</u> <i>All K&S personnel on site were qualified for the covered tasks they were performing.</i>		

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Was a Protocol 9 (Form 15) Completed?		No
[192.614]	Were One Call Notifications performed as required?	Satisfactory
<u>General Comment:</u> <i>The excavation ticket expires 5/1/2016.</i>		
[192.614]	Dig Ticket #	#A0950882
[192.751]	Are adequate steps taken to minimize the potential for accidental ignition?	Not Checked
<u>General Comment:</u> <i>All welding activities observed were not performed on the active pipeline. Staff observed the welder fabricating a tie-in section that was not in close proximity to the active pipeline.</i>		
[192.719(b)]	Was each repair made by welding to a transmission line made in accordance with 192.713, 192.715, and 192.717 and examined in accordance with 192.241?	Not Applicable
<u>General Comment:</u> <i>The project that Staff inspected is not considered a repair in accordance to 192.713, 192.715 or 192.717.</i>		

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